Attachment 15

Summary of Site 300 active percolation pits

Building	Waste stream	Percolation pit design (dimensions [ft] and design rate)	Wells Up gradient of percolation pit	Wells Down gradient of percolation pit	Direction of flow	Water bearing zone	Current depth to ground water (ft)	Distance of downgradient well from percolation pit (ft)
801	Cooling tower	12x12x7 860 gpd	NC2-11D	[a]	ESE	$Tnbs_1$/ $Tnbs_0$	50	[b]
806	Mechanical equipment	4x3x3 50 gpd	[a]	W-808-01 W-808-02 (both cross gradient)	SE	Tps $Tnsc_2$	50 Below 96	850 (from 806B percolation pit to W-808-01 & W-808-02)
809	Cooling tower	6x6x6 300 gpd	W-809-02	W-815-02 W-815-08	SE	$Tnbs_2$ $Tnbs_1$	104 127[c]	420 (from 809B cooling tower to W-815-02, & W-815-08)
812	Cooling tower	12x12x5 360 gpd	W-812-01 W-812-02	W-812-2009	SW	$Tnbs_1$/ $Tnbs_0$	47	120 (from 812E cooling tower to W-812-2009)
817A	Cooling tower	7x7x5 300 gpd	W-817-06A	W-817-04 W-817-01 (up gradient or cross-gradient)	SE	$Tnbs_2$	76	625 (from 817A cooling tower to W-817-04)

continued

Attachment 15 continued

Summary of Site 300 active percolation pits

Building	Waste stream	Percolation pit design (dimensions [ft] and design rate)	Upgradient well(s)	Downgradient well(s)	Direction of flow	Water bearing zone	Current depth to ground water (ft)	Distance of downgradient well from percolation pit (ft)
826	Cooling tower	6x6x5 300 gpd	[a]	[a]	[b]	[b]	[b]	[b]
827A	2 Cooling towers	18x18x5 1200 gpd	W-827-04 W-827-05	W-827-01 W-827-02 W-827-03	SE	$Tnbs_2$ $Tnsc_{1b}$ $Tnbs_1$	Below 48 50 194	300 (from 827C percolation pit to W-827-01, W-827 -02, &W-827-03)
827A, C, D, E	Mechanical equipment	827A – 5x4x4, 150 gpd 827C – 7x6x6 827D – 6x5x5 827E – 5x4x4 150 gpd (each)	W-827-04 W-827-05	W-827-01 W-827-02 W-827-03 (cross-gradient)	SE	$Tnbs_2$ $Tnsc_{1b}$ $Tnbs_1$	Below 48 50 194	750 (from 827E percolation pit to W-827-01, W-827-02, & W-827 -03)
851	2 Cooling towers	14x14x5 900 gpd	W-851-05	W-851-08 W-851-07	SE	Tmss Tmss	183 140	350 from 851 cooling tower to W-851-07, & W-851-08)

[a] No wells in vicinity.
[b] Information not available.
[c] Confined zone; depth refers to groundwater depth in well. Depth to HSU is much deeper.